

Aden Brady

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Education

University of Central Florida Orlando, FL
Bachelor of Science in Information Technology Expected April 2026

- EXCEL Scholar; Hack@UCF Member
- Relevant Coursework: Network Security, Operating Systems, Database Management, Systems Administration, Computer Architecture

Seminole State College Orlando, FL
Associate of Arts in Biology Dec 2022

Experience

University of Central Florida (UCF IT) Orlando, FL
Infrastructure and Virtualization Intern Jul 2024 – Present

- Managed and supported VMware dev/test infrastructure, assisting with patching, configuration changes, and VM lifecycle tasks including scalability, stability, and performance tuning.
- Developed and managed VMs in VMware for testing Active Directory, Windows Server, and Linux environments.
- Supported Dell server hardware tasks including installs, upgrades, monitoring, troubleshooting, and break/fix activities.
- Tracked and resolved IT incidents and service requests using ServiceNow, ensuring timely documentation and escalation.
- Maintained accurate documentation of system configurations, procedures, and operational guidelines; created and updated internal knowledge base articles.

Projects

TrueNAS Home Server

- Designed and built a home Server using TrueNAS CE with RAID-Z1 for redundant storage across multiple drives.
- Deployed and managed multiple self-hosted services via Docker containers, including VaultWarden (password manager) with user authentication and access controls.
- Configured secure remote access using Tailscale VPN, enabling encrypted connectivity to all home services from any device without exposing ports to the public internet.

Network Security & DNS Filtering (Pi-hole)

- Deployed a Pi-hole DNS sinkhole across 12+ devices, reducing malicious and tracking domain requests by 35%.
- Configured custom blocklists and regularly analyzed DNS query logs to identify suspicious traffic patterns and block emerging threats.
- Hardened DNS infrastructure by setting Pi-hole as the primary resolver, preventing DNS leaks and enforcing network-wide filtering.

Extracurricular

Hack@UCF Orlando, FL
Member & Horse Plinko Cyber Defense Competition 2024 – Present

- Competed in the Horse Plinko Cyber Defense Competition, defending Windows and Linux systems against live red-team attacks, placing top 5.
- Performed system hardening: credential updates, removal of unauthorized users, service lockdown, and firewall rule implementation.

Boy Scouts of America Orlando, FL
Eagle Scout Feb 2014 – Feb 2020

- Led a service project for a local greyhound adoption center; mentored junior scouts and led volunteer initiatives.

American Muslim Community Center (AMCC) Orlando, FL
Volunteer Feb 2016 – 2021

- Organized events and Sunday school for 100+ students; accumulated 100+ hours of community service.

Skills

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- **Certifications:** Microsoft Office Certified, TestOut IT Fundamentals Pro Certified.
 - **Programming:** Java, Python, C (Intermediate proficiency).
 - **Tools & Platforms:** VMware, Active Directory, Windows Server, ServiceNow, TrueNAS, Docker, Tailscale, Linux (Ubuntu), Pi-hole, Networking fundamentals.